

FIG. 1
(Prior Art)

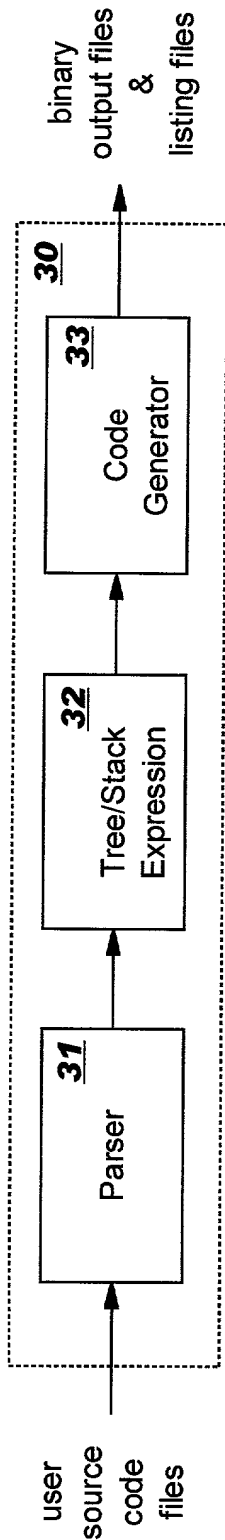


FIG. 2

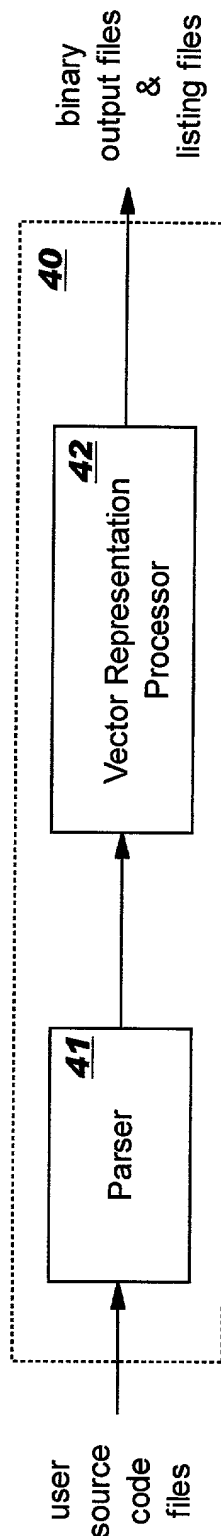


FIG. 3

| Complimentary Condition Codes | | Complimentary Condition Codes | |
|-------------------------------|-------|-------------------------------|-------|
| <a> | <be> | <as> | <bes> |
| <ae> | | <aes> | <bs> |
| <g> | <le> | <gs> | <les> |
| <ge> | <l> | <ges> | <ls> |
| <e> | <ne> | <es> | <nes> |
| <z> | <nz> | <c> | <nc> |
| <p> | <n> | <o> | <no> |
| <tz> | <tnz> | | |

FIG. 4

| Opcode | Condition Code |
|--------|--|
| cmps | <as> <aes> <bs> <bes> <gs> <ges> <ls> <les> <es> <nes> |
| cmp | <a> <ae> <be> <g> <ge> <l> <le> <e> <ne> |
| tst | <tnz> <tz> |
| n/a | <z> <nz> <o> <no> <c> <nc> <p> <n> |

FIG. 5

| Mnemonic | Description | Mnemonic | Description |
|----------|-------------------------------|----------|-------------------------------|
| <a> | above | <as> | above, signed |
| <ae> | above or equal | <aes> | above or equal, signed |
| | below | <bs> | below, signed |
| <be> | below or equal | <bes> | below or equal, signed |
| <g> | greater than | <gs> | greater than, signed |
| <ge> | greater than or equal | <ges> | greater than or equal, signed |
| <l> | less than | <ls> | less than, signed |
| <le> | less than or equal | <les> | less than or equal, signed |
| <e> | equal | <es> | equal, signed |
| <ne> | not equal | <nes> | not equal, signed |
| <z> | zero flag set | <nz> | zero flag is clear |
| <c> | carry flag set | <nc> | carry flag is clear |
| <o> | overflow flag set | <no> | overflow flag is clear |
| <p> | sign flag is positive or zero | <n> | sign flag is negative |
| <tz> | tst and zero flag set | <tnz> | tst and zero flag not set |

FIG. 6

